

TAB 5 SIGNIFICANT INDUSTRIAL USERS

5.1 IDENTIFICATION OF POTENTIAL SIGNIFICANT INDUSTRIAL USERS

Twice per month, the City WWTP staff receive and review a report generated by the City of Helena Building Department listing new building permits issued. Before an application is approved by the City Building Department, the WWTP staff are included in a pre-application process which includes review of plans and an opportunity to provide input. Once per month, the City WWTP staff receive a Business License Report from City of Helena Utility Customer Service.

The City WWTP staff conduct monthly pretreatment meetings to discuss any pretreatment issues and potential for new industrial users based on staff, Utility Maintenance Division records, and any notifications from the Lewis and Clark County Health Department, drive-by inspections, and general “word of mouth”.

5.2 DESCRIPTION OF CURRENT INDUSTRIAL USERS

Currently, there is one categorical industrial user and one significant industrial user which discharges to the City of Helena wastewater collection system. Both are explained below.

Decorative Industrial Plating, LLC. – Categorical Industrial User

Decorative Industrial Plating, LLC is located at 2531 N Dodge Avenue and offers chrome, copper, brass, nickel, and decorative gold plating for commercial and individual clients. Decorative Industrial Plating, LLC specializes in a variety of applications including automotive, aerospace, plumbing, firearms, food handling, and computer hardware products.

Decorative Industrial Plating, LLC has two metered City of Helena water services. One City water service supplies the sanitary uses (restrooms, breakroom sinks, etc.) The second City water service supplies the process water. The water meter total for the process water recorded at the beginning of the quarter and at the end of the quarter to calculate the total number of gallons used for process water and subsequently discharged to the City’s wastewater collection system.

Decorative Industrial Plating, LLC samples pH in the rinse tank daily when the facility is operating. Operation is defined as periods of time when plating is occurring at the facility. The discharge from the rinse tank, while operating, is a slow constant flow. Decorative Industrial Plating, LLC samples cyanide and metals (arsenic, cadmium, chromium, chromium-III, chromium-VI, copper, lead, mercury, molybdenum, nickel, selenium, silver, and zinc) once per quarter. Grab samples are collected for cyanide and metals and analyzed by Alpine Analytical, Inc.

Decorative Industrial Plating, LLC reports all sampling values to the City as part of the quarterly Industrial User Monitoring Report. Copies of the 2014 and 2015 quarterly reports are included hereinafter.

In addition to the quarterly self-monitoring performed by Decorative Industrial Plating, LLC, the WWTP staff performs annual sampling of Decorative Industrial Plating, LLC process wastewater at a sample port in the process line before connection to the sanitary sewer. The City samples are analyzed by Alpine Analytical, Inc. for pH, total metals, and total cyanide. Copies of the

2014 and 2015 annual WWTP staff sampling of Decorative Industrial Plating, LLC process wastewater are included hereinafter.

Montana Rail Link – Significant Industrial User

Montana Rail Link is located at 1500 Railroad Avenue. Rain and snow melt collect in track pans along the railroad tracks. There is potential for the collected runoff to come in contact with diesel fuel and lubricating oil used to service trains. The collected runoff is piped to an underground water/oil separator where the oil is recovered. The water is pumped to a 12,500 gallon above ground storage tank.

When the tank is full, a sample of the wastewater is collected and analyzed for benzene and BTEX. If the analysis shows acceptable levels of benzene (≤ 50 $\mu\text{g/L}$) and BTEX (≤ 570 $\mu\text{g/L}$), the wastewater is discharged to the collection system. If the analysis results in benzene and/or BTEX levels which exceed allowable discharge limits, the tank can be aerated and re-sampled before the tanks is discharged to the collection system.

Montana Rail Link submits an Industrial User Monitoring Report Form to the City of Helena WWTP on a monthly basis. During months where Montana Rail Link discharges to the collection system, they report the number of gallons discharged and the benzene and BTEX. During months when Montana Rail Link does not discharge to the collection system, they report “no discharge”.

5.3 CIU AND SIU SAMPLING DATA

The most recent sample results from Decorative Industrial Plating, LLC are included in the following Industrial User Monitoring Report Forms included in this section.

- DIP Industrial User Monitoring Report Form- First Quarter 2014
- DIP Industrial User Monitoring Report Form- Second Quarter 2014
- DIP Industrial User Monitoring Report Form- Third Quarter 2014
- DIP Industrial User Monitoring Report Form- Fourth Quarter 2014
- DIP Industrial User Monitoring Report Form- First Quarter 2015
- DIP Industrial User Monitoring Report Form- Second Quarter 2015
- DIP Industrial User Monitoring Report Form- Third Quarter 2015
- DIP Industrial User Monitoring Report Form- Fourth Quarter 2015
- MRL Industrial User Monitoring Report Form- First Quarter 2014
- MRL Industrial User Monitoring Report Form- Second Quarter 2014
- MRL Industrial User Monitoring Report Form- Third Quarter 2014
- MRL Industrial User Monitoring Report Form- Fourth Quarter 2014

- MRL Industrial User Monitoring Report Form- First Quarter 2015
- MRL Industrial User Monitoring Report Form- Second Quarter 2015
- MRL Industrial User Monitoring Report Form- Third Quarter 2015
- MRL Industrial User Monitoring Report Form- Fourth Quarter 2015

The monitoring collected by the City WWTP staff is as follows:

- 2014 & 2015 Decorative Industrial Plating, LLC Annual Monitoring by WWTP Staff
- 2014 & 2015 Montana Rail Link Annual Monitoring by WWTP Staff